

INTERFERENCE SEARCH

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((spatially & indexing & (text same strings)) & (search same criteria)).clm.	US-PGPUB	OR	ON	2006/05/14 11:08
L2	1	((j same N same keywords) & (search same corpus)).clm.	US-PGPUB	OR	ON	2006/05/14 11:05
L3	42	(search same corpus).clm.	US-PGPUB	OR	ON	2006/05/14 11:05
L4	1	1 & 3	US-PGPUB	OR	ON	2006/05/14 11:09
L5	0	((spatially same indexing) & (occurrences same word)).clm.	US-PGPUB	OR	ON	2006/05/14 11:10

	U	1	2	3	4	Document ID	Issue Date
1	X					US 20060101012 A1	20060511
2	X					US 20060095264 A1	20060504
3	X					US 20060074907 A1	20060406
4	X					US 20060074883 A1	20060406
5	X					US 20060053172 A1	20060309
6	X					US 20060041560 A1	20060223
7	X					US 20060041376 A1	20060223
8	X					US 20060036588 A1	20060216
9	X					US 20060026013 A1	20060202
10	X					US 20060004732 A1	20060105
11	X					US 20050267871 A1	20051201

	Title	Current OR	Current XRef
1	Search system presenting active abstracts including linked terms	707/4	
2	Unit selection module and method for Chinese text-to-speech synthesis	704/260	
3	Presentation of search results based on document structure	707/6	707/3; 715/513
4	Systems, methods, and interfaces for providing personalized search and information access	707/3	
5	System and method for creating, editing, and using multi-relational ontologies	707/203	
6	Distributing content indices	707/10	
7	Automated prioritization of map objects	701/208	701/211
8	Searching by using spatial document and spatial keyword document indexes	707/3	
9	Search systems and methods using in-line contextual queries	705/1	
10	Search engine methods and systems for generating relevant search results and advertisements	707/3	
11	Method and system for extending keyword searching to syntactically and semantically annotated data	707/3	

	Inventor	S	C	P	5	Image Doc. Displayed	PT
1	Carson; Chad et al.					US 20060101012	
2	Wu; Chung-Hsien et al.					US 20060095264	
3	Singhal; Amitabh K. et al.					US 20060074907	
4	Teevan; Jaime Brooks et al.					US 20060074883	
5	Gardner; Stephen Philip et al.					US 20060053172	
6	Forman; George H. et al.					US 20060041560	
7	Poppen; Richard F. et al.					US 20060041376	
8	Frank; John R. et al.					US 20060036588	
9	Kraft; Reiner					US 20060026013	
10	Odom; Paul S.					US 20060004732	
11	Marchisio, Giovanni B. et al.					US 20050267871	

	U	1	2	3	4	Document ID	Issue Date
12	X					US 20050256867 A1	20051117
13	X					US 20050256866 A1	20051117
14	X					US 20050234891 A1	20051020
15	X					US 20050228780 A1	20051013
16	X					US 20050216898 A1	20050929
17	X					US 20050216457 A1	20050929
18	X					US 20050177555 A1	20050811
19	X					US 20050165294 A1	20050728
20	X					US 20050160083 A1	20050721
21	X					US 20050149494 A1	20050707

	Title	Current OR	Current XRef
12	Search systems and methods with integration of aggregate user annotations	707/5	
13	Search system and methods with integration of user annotations from a trust network	707/5	
14	Search systems and methods with integration of user annotations	707/3	
15	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	707/3	
16	System for software source code comparison	717/141	717/114
17	Systems and methods for collecting user annotations	707/4	
18	System and method for providing information on a set of search returned documents	707/3	
19	Automated brain MRI and CT prescriptions in Talairach space	600/410	
20	User-specific vertical search	707/3	
21	Information data retrieval, where the data is organized in terms, documents and document corpora	707/3	

	Inventor	S	C	P	5	Image Doc. Displayed	PT
12	Walther, Eckart et al.					US 20050256867	
13	Lu, Qi et al.					US 20050256866	
14	Walther, Eckart et al.					US 20050234891	
15	Diab, Ali et al.					US 20050228780	
16	Powell, G. Edward JR. et al.					US 20050216898	
17	Walther, Eckart et al.					US 20050216457	
18	Alpert, Sherman Robert et al.					US 20050177555	
19	Weiss, Kenneth L.					US 20050165294	
20	Robinson, Evan					US 20050160083	
21	Lindh, Per et al.					US 20050149494	

	U	1	2	3	4	Document ID	Issue Date
22	X					US 20050144193 A1	20050630
23	X					US 20050138056 A1	20050623
24	X					US 20050004943 A1	20050106
25	X					US 20040249800 A1	20041209
26	X					US 20040236725 A1	20041125
27	X					US 20040210443 A1	20041021
28	X					US 20040205065 A1	20041014
29	X					US 20040172238 A1	20040902
30	X					US 20040064447 A1	20040401
31	X					US 20040054530 A1	20040318

	Title	Current OR	Current XRef
22	Systems and methods for determining document freshness	707/103R	
23	System and method for multi-dimensional foraging and retrieval of documents	707/102	
24	Search engine and method with improved relevancy, scope, and timeliness	707/104.1	
25	Content bridge for associating host content and guest content wherein guest content is determined by search	707/3	
26	Disambiguation of term occurrences	707/3	
27	Interactive mechanism for retrieving information from audio and multimedia files containing speech	704/276	
28	System for creating and maintaining a database of information utilizing user opinions	707/5	
29	Method of setting optimum-partitioned classified neural network and method and apparatus for automatic labeling using optimum-partitioned classified neural network	704/202	
30	System and method for management of synonymous searching	707/5	
31	Generating speech recognition grammars from a large corpus of data	704/231	

	Inventor	S	C	P	5	Image Doc. Displayed	PT
22	Henzinger, Monika					US 20050144193	
23	Stefik, Mark J. et al.					US 20050138056	
24	Chang, William I.					US 20050004943	
25	Lu, Qi					US 20040249800	
26	Amitay, Einat et al.					US 20040236725	
27	Kuhn, Roland et al.					US 20040210443	
28	Petras, Gregory J. et al.					US 20040205065	
29	Choo, Ki-hyun et al.					US 20040172238	
30	Simske, Steven J. et al.					US 20040064447	
31	Davis, Brent L. et al.					US 20040054530	

	U	1	2	3	4	Document ID	Issue Date
32	X					US 20040030688 A1	20040212
33	X					US 20040024752 A1	20040205
34	X					US 20040024599 A1	20040205
35	X					US 20030233224 A1	20031218
36	X					US 20030154071 A1	20030814
37	X					US 20030078766 A1	20030424
38	X					US 20030004995 A1	20030102
39	X					US 20020143524 A1	20021003
40	X					US 20020091661 A1	20020711

	Title	Current OR	Current XRef
32	Information search using knowledge agents	707/3	
33	Method and apparatus for search ranking using human input and automated ranking	707/3	
34	Audio search conducted through statistical pattern matching	704/256.3	
35	Method and system for enhanced data searching	704/4	
36	Process for the document management and computer-assisted translation of documents utilizing document corpora constructed by intelligent agents	704/9	715/500
37	INFORMATION RETRIEVAL BY NATURAL LANGUAGE QUERYING	704/9	
38	Graphical web browsing interface for spatial data navigation and method of navigating data blocks	715/513	
39	Method and resulting system for integrating a query reformation module onto an information retrieval system	704/9	
40	METHOD AND APPARATUS FOR AUTOMATIC CONSTRUCTION OF FACETED TERMINOLOGICAL FEEDBACK FOR DOCUMENT RETRIEVAL	707/1	

	Inventor	S	C	P	5	Image Doc. Displayed	PT
32	Aridor, Yariv et al.					US 20040030688	
33	Manber, Udi et al.					US 20040024752	
34	Deisher, Michael E.					US 20040024599	
35	Marchisio, Giovanni B. et al.					US 20030233224	
36	Shreve, Gregory M.					US 20030154071	
37	APPELT, DOUGLAS E. et al.					US 20030078766	
38	Novaes, Marcos Nogueira					US 20030004995	
39	O'Neil, John H. et al.					US 20020143524	
40	ANICK, PETER et al.					US 20020091661	

	U	1	2	3	4	Document ID	Issue Date
41	X					US 20020002450 A1	20020103
42	X					US 20010047290 A1	20011129

	Title	Current OR	Current XRef
41	ARTICLE AND METHOD OF AUTOMATICALLY FILTERING INFORMATION RETRIEVAL RESULTS USING TEXT GENRE	704/1	704/9; 707/3; 707/4
42	System for creating and maintaining a database of information utilizing user opinions	705/10	

	Inventor	S	C	P	5	Image Doc. Displayed	PT
41	NUNBERG, GEOFFREY D. et al.					US 20020002450	
42	Petras, Gregory J. et al.					US 20010047290	

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2616	(715/513).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/14 10:34
L2	1337	1 & (data near4 (block\$1 files repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:35
L3	0	2 & (index\$5 near4 (array near4 dimension\$1))	US-PGPUB; USPAT	OR	ON	2006/05/14 10:35
L4	7	2 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:35
L5	4252	(707/100).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/14 10:35
L6	2358	5 & (data near4 (block\$1 files repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:36
L7	46	6 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:36
L8	623	(715/854).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/14 10:36
L9	284	8 & (data near4 (block\$1 files repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:36
L10	3	9 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:36

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L11	6651	(707/3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/14 10:36
L12	3019	11 & (data near4 (block\$1 files repository))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:36
L13	41	12 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:36
L14	350043	data near4 (block\$1 files repository)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L15	1893	"meta data" near4 (block\$1 files repository)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L16	295	"meta data" with (seach nera4 engine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L17	119	L14 & L15 & L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L18	90537	(index\$5 filling referenc\$3 repository\$5) near4 (dimension\$1 array\$1 parameter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L19	16	L17 & L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37

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L20	1	"6219700".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L21	13	("6484177").URPN.	USPAT	OR	ON	2006/05/14 10:37
L22	1	"6490619".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L23	1	"6484177".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L24	1	"6470357".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L25	0	L17 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L26	0	L15 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L27	3	L14 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L28	0	L17 & lycos.as.	USPAT	OR	ON	2006/05/14 10:37
L29	0	L17 & yahoo.as.	USPAT	OR	ON	2006/05/14 10:37
L30	5212	search near3 engine	USPAT	OR	ON	2006/05/14 10:37
L31	0	L20 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L32	26	L30 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L33	10	(US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$).did.	USPAT	OR	ON	2006/05/14 10:37
L34	11453	(spatial\$2 hierarch\$4 semantic\$4) near4 (index\$5 near4 dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L35	0	L26 & L33	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L36	0	L34 & L33	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L37	212	"30" & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L38	35	L34 & L30	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L39	0	L38 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L40	0	L38 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L41	25	L34 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L42	35	L34 & L30	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L55	292	(US-6311194-\$ or US-6564202-\$ or US-6567797-\$ or US-6598054-\$ or US-6728752-\$ or US-6751611-\$ or US-6442682-\$ or US-6044375-\$ or US-6546388-\$ or US-6718324-\$ or US-6199081-\$ or US-5944793-\$ or US-6145003-\$ or US-6442606-\$ or US-6463433-\$ or US-6516312-\$ or US-6654734-\$ or US-6681223-\$ or US-6549941-\$ or US-6128627-\$ or US-5754844-\$ or US-5991862-\$ or US-6725425-\$ or US-5835722-\$ or US-6161192-\$ or US-6389467-\$).did. or (US-6434548-\$ or US-6449627-\$ or US-6484199-\$ or US-6611840-\$ or US-6721741-\$ or US-6735628-\$ or US-6256627-\$ or US-6385600-\$ or US-6457002-\$ or US-6651058-\$ or US-6651059-\$ or US-5734893-\$ or US-6182091-\$ or US-5905862-\$ or US-6148289-\$ or US-6182065-\$ or US-6209007-\$ or US-6338082-\$ or US-6377945-\$ or US-6389436-\$ or US-6490579-\$ or US-6643641-\$ or US-5983267-\$ or US-6061692-\$ or US-5974416-\$ or US-6188985-\$ or US-6253239-\$).did. or (US-6278448-\$ or US-6366912-\$ or US-6418448-\$ or US-6466970-\$ or US-6587855-\$ or US-6732095-\$ or US-6128623-\$ or US-6158001-\$ or US-6292880-\$ or US-6055543-\$ or US-6078924-\$ or US-6115717-\$ or US-5799310-\$ or US-5832495-\$ or US-6047291-\$ or US-6078925-\$ or US-6108619-\$ or US-6212527-\$ or US-6353831-\$ or US-6564263-\$ or US-6643648-\$ or US-6493744-\$ or US-6546398-\$ or US-6018761-\$ or US-6430553-\$ or US-5774643-\$ or US-5933592-\$).did. or (US-5345575-\$ or US-5390327-\$ or US-5504858-\$ or US-5761677-\$ or US-5761678-\$ or US-5802599-\$ or US-5826001-\$ or US-5852747-\$ or US-6038665-\$ or US-6049848-\$ or US-6134623-\$ or US-6185580-\$ or US-6185663-\$ or US-6282602-\$ or US-6292856-\$ or US-6298425-\$ or US-6329985-\$ or US-6385706-\$ or US-6389513-\$ or US-6393540-\$ or US-6397308-\$ or US-6487561-\$ or US-6499039-\$ or US-6542909-\$ or US-6571259-\$ or US-6671772-\$ or US-6684270-\$).did. or (US-6715036-\$ or US-6725392-\$ or US-6747127-\$ or US-674E70C-\$	USPAT	OR	ON	2006/05/14 10:37
5/14/06	10:44:02 AM	C:\Documents and Settings\OIT\trans3\My_Documents\EAST\Workspaces\09893788.wsp				Page 5

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L56	19	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L57	5763	(707/10).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L58	0	("41&42&43").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L59	0	L55 & L56 & L57	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L60	0	L55 & L56	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L61	71	L55 & L57	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L62	4	L61 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L63	0	L34 & L62	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L64	2	L34 & L55	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L65	24	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$ or US-6721747-\$ or US-6708183-\$ or US-6668253-\$).did. or (US-6289358-\$ or US-5802599-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L66	21	L65 & search	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L67	16	(spatial\$2 hierarch\$4 semantic\$4) & L66	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L68	14	L67 & (index\$5 near4 dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L69	3163	L68 (index\$5 near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L70	0	L68 & (index\$5 near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L71	0	L68 & (index\$5 with dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L72	4	L68 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L73	17932	(spatial\$2 hierarch\$4 semantic\$4) near4 (dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L74	1779	L73 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L75	19	L73 & (index\$5 near4 (array near4 dimension\$1))	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L88	297	<p>(US-6311194-\$ or US-6564202-\$ or US-6567797-\$ or US-6598054-\$ or US-6728752-\$ or US-6751611-\$ or US-6442682-\$ or US-6044375-\$ or US-6546388-\$ or US-6718324-\$ or US-6199081-\$ or US-5944793-\$ or US-6145003-\$ or US-6442606-\$ or US-6463433-\$ or US-6516312-\$ or US-6654734-\$ or US-6681223-\$ or US-6549941-\$ or US-6128627-\$ or US-5754844-\$ or US-5991862-\$ or US-6725425-\$ or US-5835722-\$ or US-6161192-\$ or US-6389467-\$).did. or (US-6434548-\$ or US-6449627-\$ or US-6484199-\$ or US-6611840-\$ or US-6721741-\$ or US-6735628-\$ or US-6256627-\$ or US-6385600-\$ or US-6457002-\$ or US-6651058-\$ or US-6651059-\$ or US-5734893-\$ or US-6182091-\$ or US-5905862-\$ or US-6148289-\$ or US-6182065-\$ or US-6209007-\$ or US-6338082-\$ or US-6377945-\$ or US-6389436-\$ or US-6490579-\$ or US-6643641-\$ or US-5983267-\$ or US-6061692-\$ or US-5974416-\$ or US-6188985-\$ or US-6253239-\$).did. or (US-6278448-\$ or US-6366912-\$ or US-6418448-\$ or US-6466970-\$ or US-6587855-\$ or US-6732095-\$ or US-6128623-\$ or US-6158001-\$ or US-6292880-\$ or US-6055543-\$ or US-6078924-\$ or US-6115717-\$ or US-5799310-\$ or US-5832495-\$ or US-6047291-\$ or US-6078925-\$ or US-6108619-\$ or US-6212527-\$ or US-6353831-\$ or US-6564263-\$ or US-6643648-\$ or US-6493744-\$ or US-6546398-\$ or US-6018761-\$ or US-6430553-\$ or US-5774643-\$ or US-5933592-\$).did. or (US-5345575-\$ or US-5390327-\$ or US-5504858-\$ or US-5761677-\$ or US-5761678-\$ or US-5802599-\$ or US-5826001-\$ or US-5852747-\$ or US-6038665-\$ or US-6049848-\$ or US-6134623-\$ or US-6185580-\$ or US-6185663-\$ or US-6282602-\$ or US-6292856-\$ or US-6298425-\$ or US-6329985-\$ or US-6385706-\$ or US-6389513-\$ or US-6393540-\$ or US-6397308-\$ or US-6487561-\$ or US-6499039-\$ or US-6542909-\$ or US-6571259-\$ or US-6671772-\$ or US-6684270-\$).did. or (US-6715036-\$ or US-6725392-\$ or US-6747127 + or US-6745706 +</p>	USPAT	OR	ON	2006/05/14 10:37
5/14/06 10:44:02 AM	C:\Documents and Settings\OIRah\My Documents\EAST\Workspaces\09893788.wsp				Page 8	

EAST Search History

L89	0	L88 & L75	USPAT	OR	ON	2006/05/14 10:37
L90	1	L88 & L74	USPAT	OR	ON	2006/05/14 10:37
L91	1	("6674445").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L92	0	("1&array").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L93	0	L91 & dimension\$1	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L94	1	L91 & array	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L95	2	("6012053" "6463426").pn.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L96	1	("20030009467").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L97	0	("L01orL2").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L98	3	L95 or L96	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L99	1	("6583800").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L100	1	("6674445").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L101	350043	data near4 (block\$1 files repository)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L102	1893	"meta data" near4 (block\$1 files repository)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L103	295	"meta data" with (seach nera4 engine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L104	119	L101 & L102 & L103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37

EAST Search History

L105	90537	(index\$5 filling referenc\$3 repository\$5) near4 (dimension\$1 array\$1 parameter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L106	0	L104 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L107	0	L102 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L108	0	L104 & lycos.as.	USPAT	OR	ON	2006/05/14 10:37
L109	0	L104 & yahoo.as.	USPAT	OR	ON	2006/05/14 10:37
L110	5212	search near3 engine	USPAT	OR	ON	2006/05/14 10:37
L111	1	"6219700".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L112	0	L111 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L113	11453	(spatial\$2 hierarch\$4 semantic\$4) near4 (index\$5 near4 dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L114	10	(US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$).did.	USPAT	OR	ON	2006/05/14 10:37
L115	0	L107 & L114	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L116	0	L113 & L114	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L117	212	"30" & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L118	35	L113 & L110	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L119	0	L118 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37

EAST Search History

L120	0	L118 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L121	5763	(707/10).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L122	0	("41&42&43").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37

EAST Search History

L135	292	<p>(US-6311194-\$ or US-6564202-\$ or US-6567797-\$ or US-6598054-\$ or US-6728752-\$ or US-6751611-\$ or US-6442682-\$ or US-6044375-\$ or US-6546388-\$ or US-6718324-\$ or US-6199081-\$ or US-5944793-\$ or US-6145003-\$ or US-6442606-\$ or US-6463433-\$ or US-6516312-\$ or US-6654734-\$ or US-6681223-\$ or US-6549941-\$ or US-6128627-\$ or US-5754844-\$ or US-5991862-\$ or US-6725425-\$ or US-5835722-\$ or US-6161192-\$ or US-6389467-\$).did. or (US-6434548-\$ or US-6449627-\$ or US-6484199-\$ or US-6611840-\$ or US-6721741-\$ or US-6735628-\$ or US-6256627-\$ or US-6385600-\$ or US-6457002-\$ or US-6651058-\$ or US-6651059-\$ or US-5734893-\$ or US-6182091-\$ or US-5905862-\$ or US-6148289-\$ or US-6182065-\$ or US-6209007-\$ or US-6338082-\$ or US-6377945-\$ or US-6389436-\$ or US-6490579-\$ or US-6643641-\$ or US-5983267-\$ or US-6061692-\$ or US-5974416-\$ or US-6188985-\$ or US-6253239-\$).did. or (US-6278448-\$ or US-6366912-\$ or US-6418448-\$ or US-6466970-\$ or US-6587855-\$ or US-6732095-\$ or US-6128623-\$ or US-6158001-\$ or US-6292880-\$ or US-6055543-\$ or US-6078924-\$ or US-6115717-\$ or US-5799310-\$ or US-5832495-\$ or US-6047291-\$ or US-6078925-\$ or US-6108619-\$ or US-6212527-\$ or US-6353831-\$ or US-6564263-\$ or US-6643648-\$ or US-6493744-\$ or US-6546398-\$ or US-6018761-\$ or US-6430553-\$ or US-5774643-\$ or US-5933592-\$).did. or (US-5345575-\$ or US-5390327-\$ or US-5504858-\$ or US-5761677-\$ or US-5761678-\$ or US-5802599-\$ or US-5826001-\$ or US-5852747-\$ or US-6038665-\$ or US-6049848-\$ or US-6134623-\$ or US-6185580-\$ or US-6185663-\$ or US-6282602-\$ or US-6292856-\$ or US-6298425-\$ or US-6329985-\$ or US-6385706-\$ or US-6389513-\$ or US-6393540-\$ or US-6397308-\$ or US-6487561-\$ or US-6499039-\$ or US-6542909-\$ or US-6571259-\$ or US-6671772-\$ or US-6684270-\$).did. or (US-6715036-\$ or US-6725392-\$ or US-6747127-\$ or US-6745705-\$</p>	USPAT	OR	ON	2006/05/14 10:37
5/14/06	10:44:02 AM	C:\Documents and Settings\Ottoman\My Documents\US EAST Workspaces\09893788.wsp				Page 12

EAST Search History

L136	19	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L137	0	L135 & L136 & L121	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L138	0	L135 & L136	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L139	71	L135 & L121	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L140	4	L139 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L141	0	L113 & L140	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L142	24	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$ or US-6721747-\$ or US-6708183-\$ or US-6668253-\$).did. or (US-6289358-\$ or US-5802599-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L143	21	L142 & search	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L144	16	(spatial\$2 hierarch\$4 semantic\$4) & L143	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L145	14	L144 & (index\$5 near4 dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L146	3163	L145 (index\$5 near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L147	0	L145 & (index\$5 near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L148	0	L145 & (index\$5 with dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L149	17932	(spatial\$2 hierarch\$4 semantic\$4) near4 (dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L150	1779	L149 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L151	19	L149 & (index\$5 near4 (array near4 dimension\$1))	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L164	297	<p>(US-6311194-\$ or US-6564202-\$ or US-6567797-\$ or US-6598054-\$ or US-6728752-\$ or US-6751611-\$ or US-6442682-\$ or US-6044375-\$ or US-6546388-\$ or US-6718324-\$ or US-6199081-\$ or US-5944793-\$ or US-6145003-\$ or US-6442606-\$ or US-6463433-\$ or US-6516312-\$ or US-6654734-\$ or US-6681223-\$ or US-6549941-\$ or US-6128627-\$ or US-5754844-\$ or US-5991862-\$ or US-6725425-\$ or US-5835722-\$ or US-6161192-\$ or US-6389467-\$).did. or (US-6434548-\$ or US-6449627-\$ or US-6484199-\$ or US-6611840-\$ or US-6721741-\$ or US-6735628-\$ or US-6256627-\$ or US-6385600-\$ or US-6457002-\$ or US-6651058-\$ or US-6651059-\$ or US-5734893-\$ or US-6182091-\$ or US-5905862-\$ or US-6148289-\$ or US-6182065-\$ or US-6209007-\$ or US-6338082-\$ or US-6377945-\$ or US-6389436-\$ or US-6490579-\$ or US-6643641-\$ or US-5983267-\$ or US-6061692-\$ or US-5974416-\$ or US-6188985-\$ or US-6253239-\$).did. or (US-6278448-\$ or US-6366912-\$ or US-6418448-\$ or US-6466970-\$ or US-6587855-\$ or US-6732095-\$ or US-6128623-\$ or US-6158001-\$ or US-6292880-\$ or US-6055543-\$ or US-6078924-\$ or US-6115717-\$ or US-5799310-\$ or US-5832495-\$ or US-6047291-\$ or US-6078925-\$ or US-6108619-\$ or US-6212527-\$ or US-6353831-\$ or US-6564263-\$ or US-6643648-\$ or US-6493744-\$ or US-6546398-\$ or US-6018761-\$ or US-6430553-\$ or US-5774643-\$ or US-5933592-\$).did. or (US-5345575-\$ or US-5390327-\$ or US-5504858-\$ or US-5761677-\$ or US-5761678-\$ or US-5802599-\$ or US-5826001-\$ or US-5852747-\$ or US-6038665-\$ or US-6049848-\$ or US-6134623-\$ or US-6185580-\$ or US-6185663-\$ or US-6282602-\$ or US-6292856-\$ or US-6298425-\$ or US-6329985-\$ or US-6385706-\$ or US-6389513-\$ or US-6393540-\$ or US-6397308-\$ or US-6487561-\$ or US-6499039-\$ or US-6542909-\$ or US-6571259-\$ or US-6671772-\$ or US-6684270-\$).did. or (US-6715036-\$ or US-6725392-\$ or IIC 6747127 + or IIC 6745702 +</p>	USPAT	OR	ON	2006/05/14 10:37
5/14/06	10:44:02 AM	C:\Documents and Settings\ltran\My Documents\EAST\Workspaces\09893788.wsp			Page 15	

EAST Search History

L165	0	L164 & L151	USPAT	OR	ON	2006/05/14 10:37
L166	0	("1&array").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L167	1	("6674445").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L168	0	L167 & dimension\$1	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L169	2	("6012053" "6463426").pn.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L170	1	("20030009467").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L171	0	("L01orL2").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L172	1	"6219700".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L173	1	"6490619".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L174	1	"6484177".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L175	1	"6470357".PN.	USPAT; USOCR	OR	ON	2006/05/14 10:37
L176	3	L101 & google.as.	USPAT	OR	ON	2006/05/14 10:37
L177	1	L164 & L150	USPAT	OR	ON	2006/05/14 10:37
L178	1	("6674445").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L179	1	L167 & array	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L180	1	("6583800").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L181	1	("6674445").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/14 10:37
L182	16	L104 & L105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L183	13	("6484177").URPN.	USPAT	OR	ON	2006/05/14 10:37
L184	26	L110 & ("meta data" with (seach nera4 engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37

EAST Search History

L185	10	(US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$).did.	USPAT	OR	ON	2006/05/14 10:37
L186	25	L113 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L187	35	L113 & L110	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L188	19	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L189	4	L139 & "meta data"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/14 10:37
L190	2	L113 & L135	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

L191	24	(US-20030126136-\$ or US-20040215419-\$).did. or (US-6629105-\$ or US-6694338-\$ or US-5860071-\$ or US-6317751-\$ or US-6363377-\$ or US-6424980-\$ or US-6516337-\$ or US-6625596-\$ or US-6704118-\$ or US-6711585-\$ or US-6763496-\$ or US-6826555-\$ or US-6826557-\$ or US-5752249-\$ or US-5970490-\$ or US-6212515-\$ or US-6463426-\$ or US-6519557-\$ or US-6539455-\$ or US-6583800-\$ or US-6721733-\$ or US-6748394-\$ or US-6850970-\$ or US-6721747-\$ or US-6708183-\$ or US-6668253-\$).did. or (US-6289358-\$ or US-5802599-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L192	14	L144 & (index\$5 near4 dimension\$1 array\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L193	4	L145 & (array near4 dimension\$1)	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L194	19	L149 & (index\$5 near4 (array near4 dimension\$1))	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37
L195	3	L169 or L170	US-PGPUB; USPAT	OR	ON	2006/05/14 10:37

EAST Search History

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Carry-save-adder(CSA) is the most often used type of operation in implementing a fast computation of arithmetics of register-transfer level design in industry. This paper establishes a relationship between the properties of arithmetic computations and several optimizing transformations using CSAs to derive consistently better qualities of results than those of manual implementations. In particular, we introduce two important concepts, operation-duplication and opera ...

Keywords: ISM frequency band, RF CMOS, digital radio, spread spectrum communication, transceiver

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Hubert Ka Yau Leung, Hans-Arno Jacobsen

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